

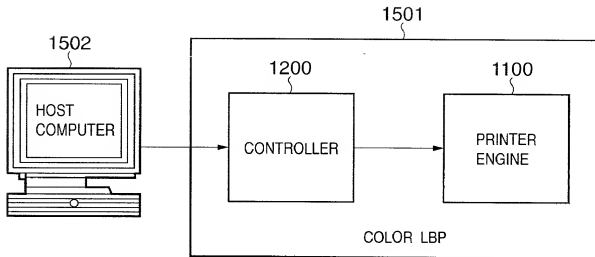
FIG. 1

FIG. 2

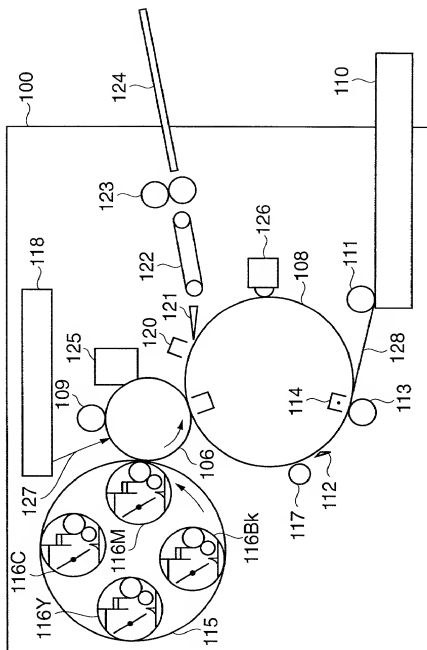


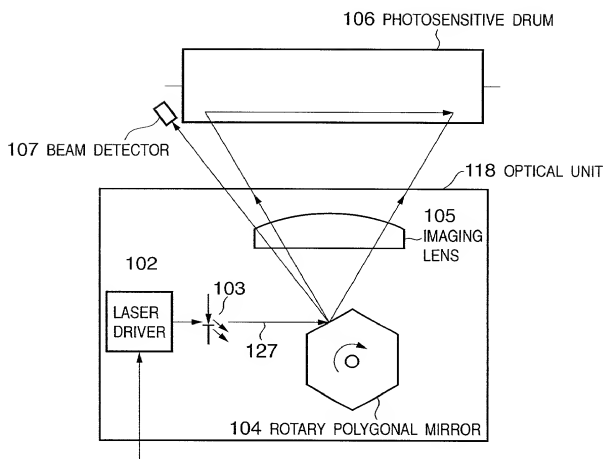
FIG. 3

FIG. 4

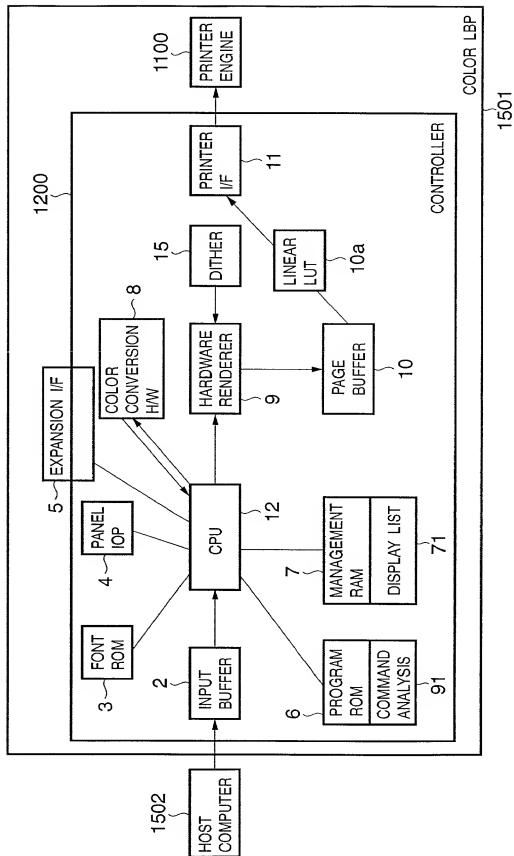


FIG. 5

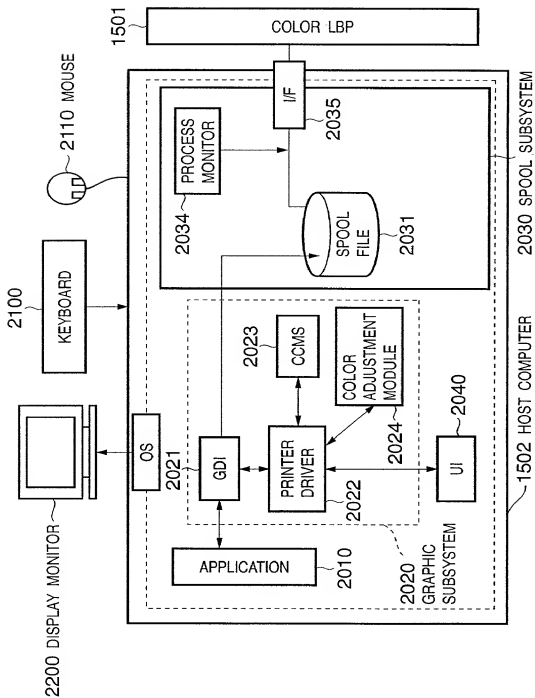
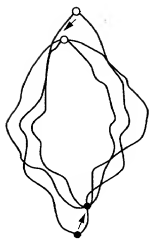
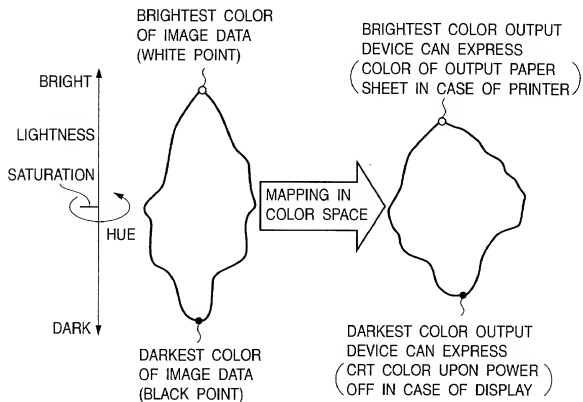
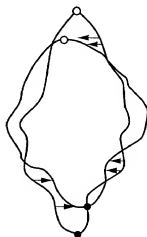
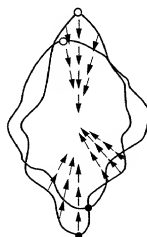


FIG. 6

METHOD THAT EXPLOITS
HUMAN PERCEPTION
(PERCEPTUAL MATCH)



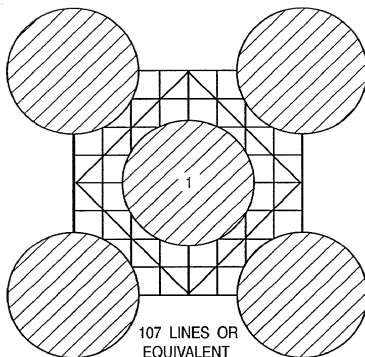
METHOD THAT SHARES
OVERLAPPING PORTION
(COLORIMETRIC MATCH)



METHOD THAT MINIMIZES
CHANGE IN SATURATION
(SATURATION MATCH)

FIG. 7

601 GRADATION DITHER

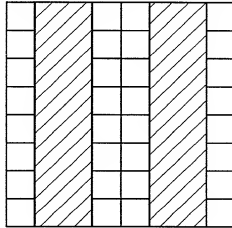


(GENERAL 45° SCREEN)

09842809-042701

FIG. 8

602 VERTICAL DITHER
(4*4-BASED VERTICAL DITHER+DISPERSION)



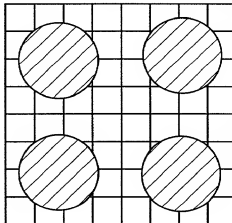
150 LINES OR EQUIVALENT

10/22/01 60824860

9/28

FIG. 9

603 RESOLUTION DITHER
(4 * 4-BASED CENTRAL GROWTH+DISPERSION)



150 LINES OR EQUIVALENT

102240: 60324860

FIG. 10

	GRADATION DITHER	VERTICAL DITHER	RESOLUTION DITHER
NUMBER OF LINES	107(Δ)	105(\bigcirc)	150(\bigcirc)
TONE EXPRESSION	\bigcirc	Δ	Δ
COLOR STABILITY	\times	\bigcirc	Δ
THIN LINE EXPRESSION	\bigcirc	Δ	Δ

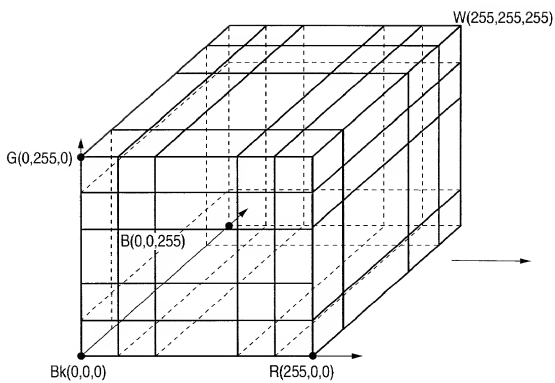
FIG. 11

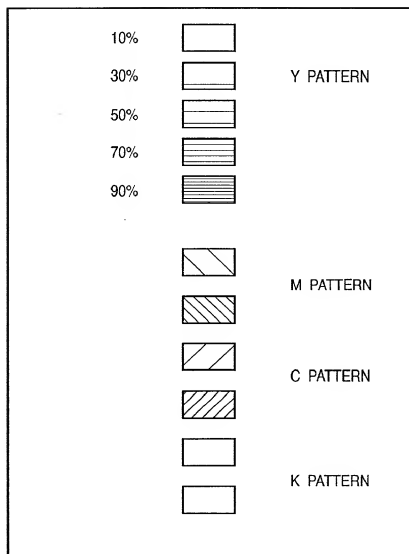
FIG. 12

FIG. 13

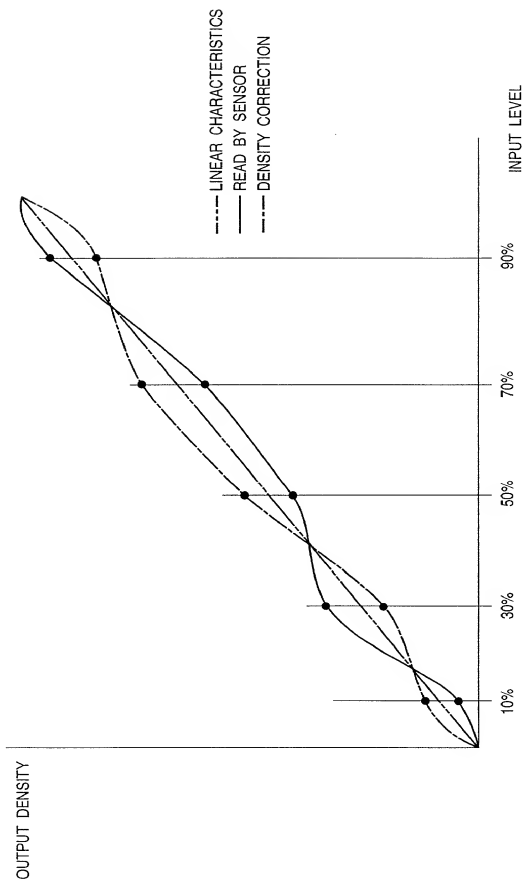


FIG. 14

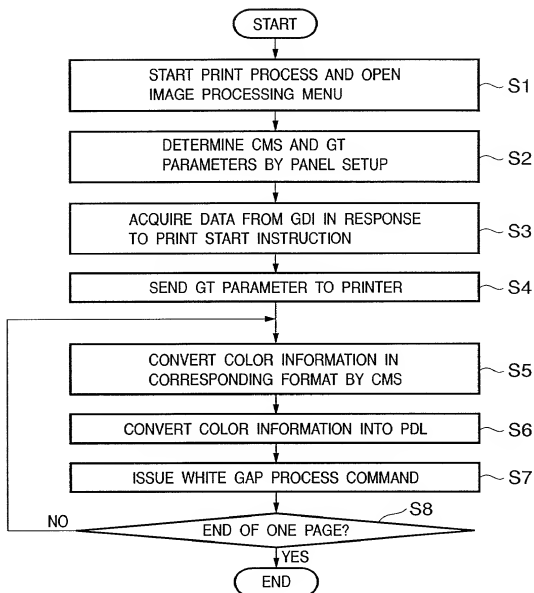


FIG. 15

900

PRINT QUALITY SETUP PANEL

901
☒

AUTO

902
☐

IMAGE-ORIENTED (MANY LINES, TINCTURE PRIORITY, WHITE GAP PROCESS = OFF)

903
☐

GRAPHICS-ORIENTED (HIGH TONE EXPRESSION, BRIGHTNESS PRIORITY, WHITE GAP PROCESS = ON)

☐

COLOR STABLE (VERTICAL DITHER, BRIGHTNESS PRIORITY, WHITE GAP PROCESS = ON)

905
☐

MANUAL SETUP

904

OK

FIG. 15

FIG. 16

INDIVIDUAL SETUP PANEL 911

COLOR MATCHING : BRIGHTNESS PRIORITY ▼ 907
TINCTURE PRIORITY, MINIMUM COLOR DIFFERENCE, NONE

GRADATING : GRADATION DITHER ▼ 908
RESOLUTION DITHER, VERTICAL DITHER

GRAY COMPENSATION : ON ▼ 910
OFF

WHITE GAP PROCESS : ON ▼ 913
OFF 909
OK

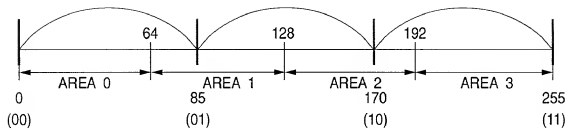
FIG. 17

FIG. 18

180	60	100	125
155	130	60	115
128	190	90	203
106	80	87	77

PIXEL OF INTEREST

INPUT DATA

FIG. 19

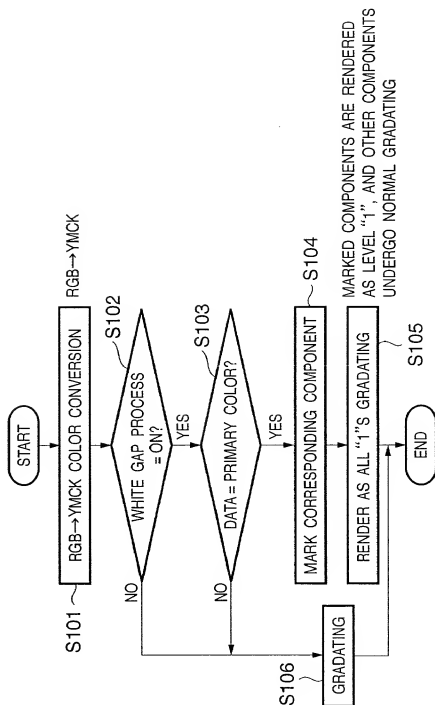


FIG. 20

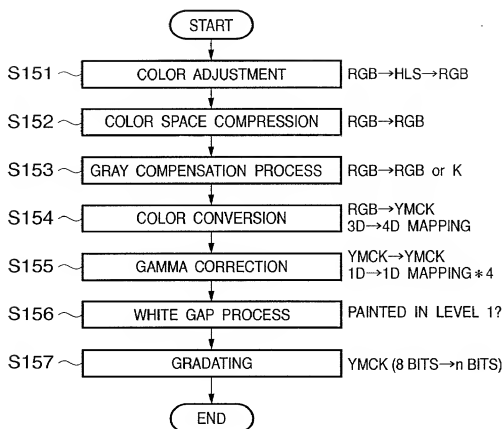


FIG. 21

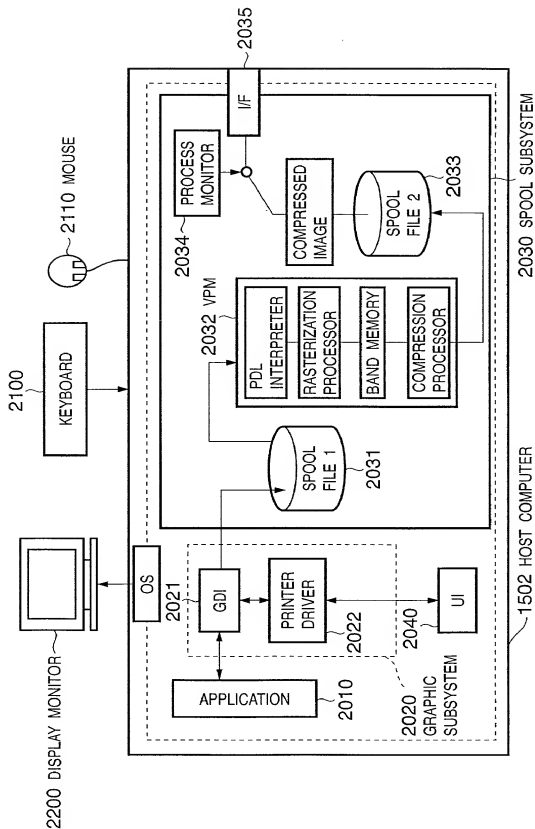


FIG. 22

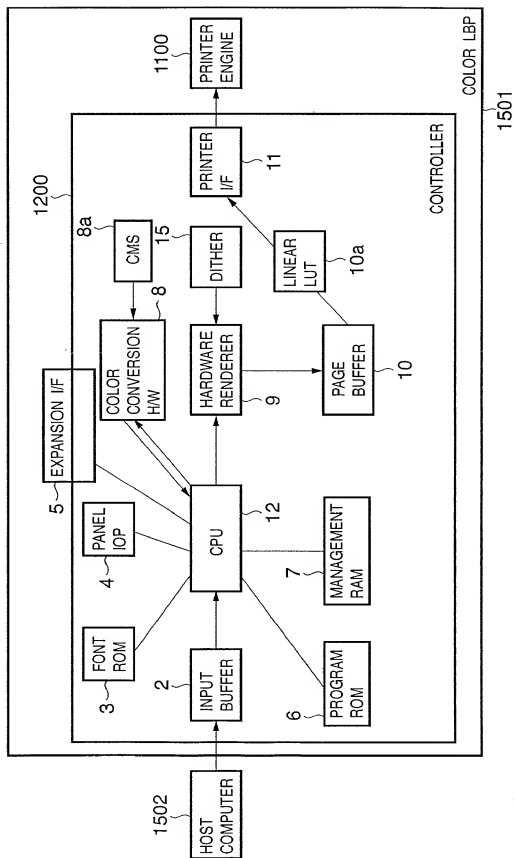


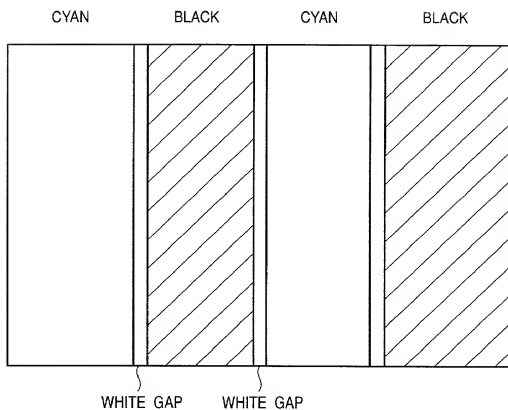
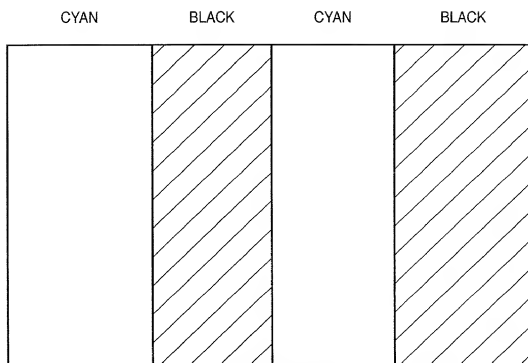
FIG. 23

FIG. 24

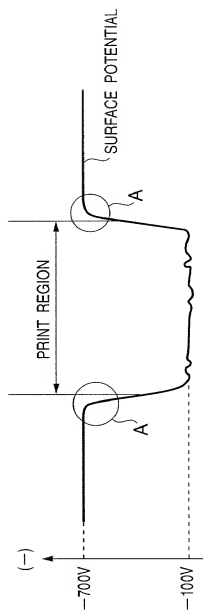


FIG. 25A

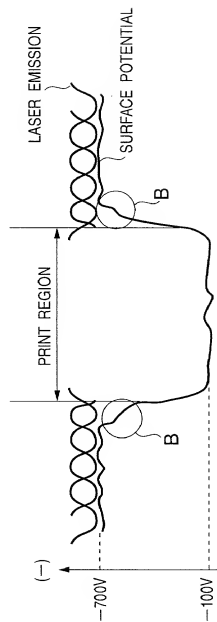


FIG. 25B

FIG. 26

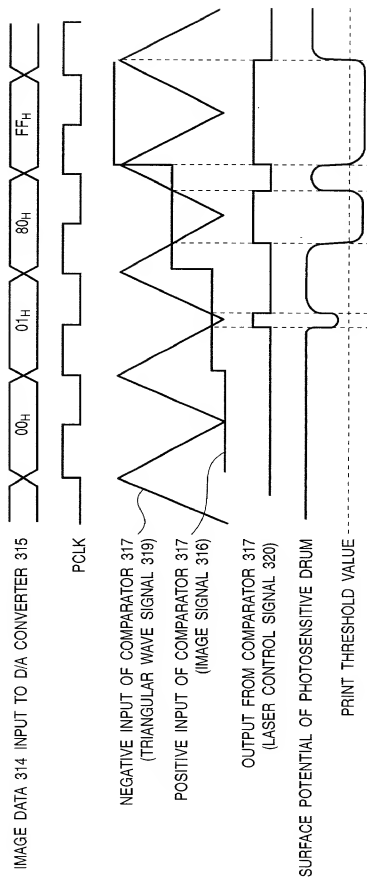


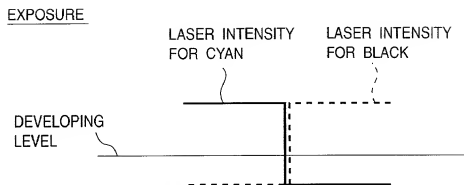
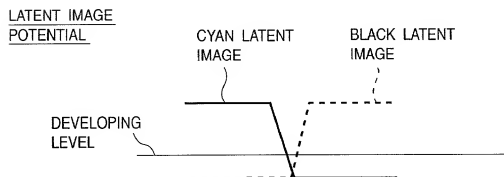
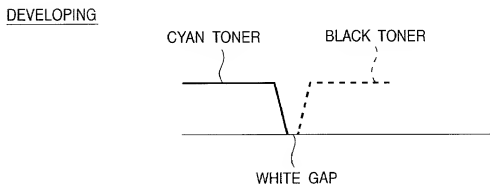
FIG. 27A**FIG. 27B****FIG. 27C**

FIG. 28

